

RECORD

MIDWAY

KURE

#2

[Actually Original of much  
of that in #1

7530-222-3525  
FEDERAL SUPPLY SERVICE

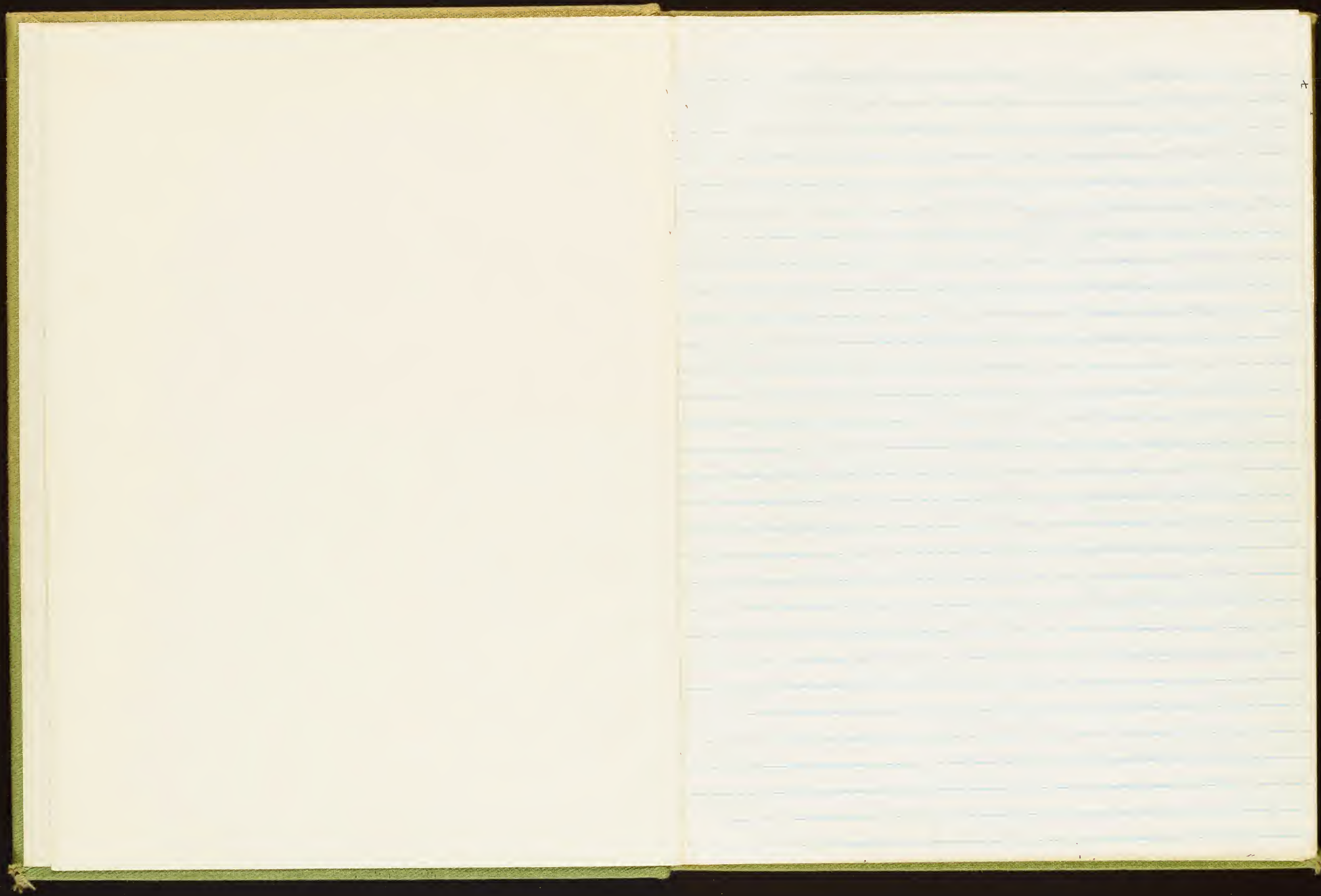
(GPO)



Original

COPY of Kuru 20  
# 2012

manuscript  
McBride are the original  
1964





FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS
20001	<sup>USFWS 643-48715</sup> ✓ <i>Pterodroma hypoleuca</i>	Ad.	♂		Ludwig	6 Sept. 1963	Hawaii Midway I., Sand I.	te. 5x5, 6x5 mm. legs, prox. feet pink, distal feet black, molting
20002	✓ <i>Pterodroma hypoleuca</i> <sup>USFWS 643-74306</sup>	Ad.	♂	✓ Bugged 11-2-63	"	"	"	te. 4x5, 5x5 mm.
20003	✓ <i>Pterodroma hypoleuca</i> <sup>USFWS 643-48706</sup>	Ad.	♀		"	"	"	skeleton lg. ovum 2 mm. legs, prox. feet pink, distal feet black, molting
20004	✓ <i>Pterodroma hypoleuca</i>	Ad.	♂		"	7 Sept. 1963	"	
20005	✓ <i>Pluvialis dominica</i> <sup>USFWS 643-48715</sup>	Ad.	♀		"	"	"	
20006	✓ <i>Pterodroma hypoleuca</i> <sup>45182</sup> <sup>USFWS 643-49098</sup>	Ad.	♂		"	"	"	
20007	✓ <i>Pterodroma hypoleuca</i>	Ad.	♀		"	"	"	
20008	✓ <i>Pterodroma hypoleuca</i>	Ad.	♂	Bugged 11-2-63	"	"	"	skeleton
20009	✓ <i>Phaethon rubricauda</i>	Imm.	♂		"	8 Sept. 1963	"	discarded (rotten)
20010	✓ <i>Phaethon rubricauda</i>	Ad.	♂	✓ Bugged 11-2-63	"	"	"	skeleton
20011	✓ <i>Gygis alba</i>	Imm.	♀		"	"	"	
20012	✓ <i>Gygis alba</i>	Ad.	♀	Bugged 11-2-63	"	"	"	Skeleton
20013	✓ <i>Phaethon rubricauda</i>	Imm.	♀		"	9 Sept. 1963	"	
20014	✓ <i>Gygis alba</i>	Imm.	♀		"	"	"	
20015	✓ <i>Phaethon rubricauda</i>	Imm.	♀		"	10 Sept. 1963	"	
20016	✓ <i>Numenius tahitiensis</i>	Ad.	♀		"	12 Sept. 1963	"	very fat; bird of the year? very fat; te. 1x3, 1x3 mm.
20017	✓ <i>Crocebia alba</i>	Ad.	♂		Ludwig Wirtz	14 Sept. 1963	"	molting te. 2x5, 2x5 mm. little fat, molt on head + neck only
20018	✓ <i>Numenius tahitiensis</i>	Ad.	♂		"	"	"	
20019	✓ <i>Phaethon rubricauda</i>	Imm.	♀?		"	"	"	2-3 days old head preserved - diseased
20020	✓ <i>Phaethon rubricauda</i>	Imm.			"	"	"	crem. devel. pig. te. enl. 6x4 mm. C. eg. enl., fertile V. imp. te. enl. lact.
20021	✓ <u>Mus musculus</u>	Ad.	♂	160-83-17.5-14 mm.	"	"	"	PS R1+2 = 3 no vis. follicles
20022	✓ <u>Mus musculus</u>	Ad.	♀	146-74-16.5-13 mm.	"	"	"	taken from a fairy tern
20023					"	16 Sept. 1963	"	
20024	✓ <i>ANAS querquedula</i>	Ad	♀		"	17 Sept. 1963	"	
20025	✓ <i>ANAS querquedula</i>	Ad	♂		"	"	"	
20026	✓ <i>Erolia melanotos</i> <del><i>Tringa solitaria</i></del>	Ad	♂		"	"	"	te. 1x2 mm.
20027	✓ <i>Arenaria interpres</i>	Ad	♂		"	"	"	skeleton Discarded, Rats ate it.
20028	✓ <i>Pluvialis dominica</i>	Ad	♀	Bugged 11-2-63	"	"	"	skeleton
20029	✓ <i>Pluvialis dominica</i>	Ad	♂		"	"	"	



FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS
20030	<u>Rattus</u> <del>rat</del>	Subad.	♀	318-182-34.5-22 mm.	WIRTZ LUDWIG	18 Sept. 1963	Hawaii Midway Eastern I.	J. imp. te. su. tract original Molting - Food: vegetation Crem. devel. pig. te. cul. 21x11 mm
20031	<u>Rattus</u> <del>rat</del>	Ad.	♂	399-229-40-26 mm.	"	"	"	Fertile Food: vegetation Brood patch refeathering
20032	✓ Puffinus nativitatus	Ad.	♀		"	"	"	Molting
20034	✓ Numerius tahitiensis	Ad.	♀		"	"	"	Do molt
20035	✓ Puffinus nativitatus	Ad.	♀		"	"	"	Molting on head and neck Brood patch refeathering
20036	✓ Sterna fuscata	Ad.	♀		"	"	"	Specimen destroyed Skeleton
20037	✓ Arenaria interpres	Ad.	♀		"	"	"	Specimen destroyed. Skeleton
20038	✓ Heteroscelus incanum	Ad.	♂		"	"	"	te. 1x3 mm.
20039	✓ Heteroscelus incanum	Ad	♂		"	20 Sept. 1963	Hawaii Kure Green I.	Skeleton, heavy molt, very fat
20040	✓ Anous stolidus	Ad	♀		"	"	"	Skeleton
20041	Rattus	Juv.	♀	10.9 gm. 126-55-18-11 mm.	"	"	"	Unprime; heavy fat; virgin
20042	Rattus	Sub.	♂	34.6 gm. 220-118-27-19 mm.	"	"	"	Unprime; heavy fat; non-breeding
20043	Rattus	Ad.	♀	76.6 gm. 292-149-28-21 mm.	"	"	"	Prime; heavy fat; breeding
20044	Rattus	Ad.	♂	63.4 gm. 272-141-29-20.5 mm.	"	"	"	Unprime; heavy fat; non-breeding
20045	Rattus	Ad.	♂	57.9 gm. 278-147-30-21.5 mm.	"	"	"	Prime; heavy fat; non-breeding
20046	Rattus				"	"	"	
20047	Rattus				"	"	"	
20048	Rattus				"	"	"	
20049	Rattus				"	"	"	
20050	Rattus				"	"	"	
20051	Rattus				"	"	"	
20052	Rattus				"	"	"	
20053	Rattus				"	"	"	
20054	Rattus				"	"	"	
20055	Rattus				"	"	"	
20056	Rattus				"	"	"	
20057	Rattus				"	"	"	
20058	Rattus				"	"	"	
20059	Rattus				"	"	"	



FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS
20060	Rattus				Wirtz Ludwig	20 Sept. 1963	Hawaii Kure Green I.	
20061	Rattus				"	"	"	
20062	Rattus				"	"	"	
20063	Rattus				"	"	"	
20064	Rattus				"	"	"	
20065	Rattus				"	21 Sept. 1963	"	
20066	Rattus				"	"	"	
20067	Rattus				"	"	"	
20068	Rattus				"	"	"	
20069	Rattus				"	"	"	
20070	Rattus				"	"	"	
20071	Rattus				"	"	"	
20072	Rattus				"	"	"	
20073	Rattus				"	"	"	
20074	Rattus				"	"	"	
20075	Rattus				"	"	"	
20076	Rattus				"	"	"	
20077	Rattus				"	"	"	
20078	Rattus				"	"	"	
20079	Rattus				"	"	"	
20080	Rattus				"	"	"	
20081	Rattus				"	"	"	
20082	Rattus				"	"	"	
20083	Rattus				"	"	"	
20084	Rattus				"	"	"	
20085	Rattus				"	"	"	
20086	Rattus				"	"	"	
20087	Rattus				"	"	"	
20088	Rattus				"	"	"	



FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR Wirtz Ludwig	DATE	LOCALITY	REMARKS
20089	Rattus					21 Sept. 1963	Hawaii Kure Green I.	
20090	Rattus				"	"	"	
20091	Puffinus nativitatus	Imm.	♀		"	"	"	Very fat
20092	Puffinus pacificus	Ad.	♂		"	"	"	Moderate fat
20093	Fregata minor	Imm.	♂		"	"	"	
20094	Fregata minor	Ad.	♀	Bugged 11-2-63	"	"	"	Skeleton
20095	Puffinus pacificus	Ad.	♀		"	"	"	Skeleton
20096	Sterna fuscata	Ad.	?	Bugged 11-2-63	"	23 Sept. 1963	"	Skeleton; sick on beach
20097	Sula dactylatra	Imm.	♀		"	24 Sept. 1963	"	Broken wing
20098	Pterodroma hypoleuca	Ad.			"	25 Sept. 1963	"	Found sick
20099								
20100								
20101	<del>Scirpus</del> Anthus cervinus	Ad	♀		"	26 Sept. '63	"	Shot on ground after storm
20102	<del>Numenius tahitiensis</del> Heteroscelus incanum	Ad	♂		"	27 Sept. 63	"	Skeleton. Very fat, Beginning to moult
20103	<del>Heteroscelus incanum</del> Numenius tahitiensis	Ad	♂		"	27 Sept. '63	"	Very extensive moult. Mod. fat. Testes 1x3, 1x2 mm.
20104	Arenaria interpres	Ad	♀		"	26 Sept. '63	"	Some fat, Some moult, Broken wing
20105	Pluvialis dominica	Ad	♀		"	26 Sept. 63	"	Very fat, Some moult.
20106	Pterodroma hypoleuca	Ad	♀		"	25 Sept. 63	"	Found Sick. Broken wing
20107	Sula sula	Imm?	♀		"	28 Sept 63	"	Small fat. Moulting over body. Caught during banding
20108	Rattus	Sub.	♂	23.3 gm. 212-111-25-19 mm.	"	29 Sept. 1963	"	Unprime; heavily parasitized
20109	Rattus	Ad.	♂	76.8 gm. 291-146-28-21 mm.	"	27 Sept. 1963	"	Unprime; heavy fat; breeding
20110	Sula dactylatra	Imm	♀		"	29 Sept 1963	"	1810g Found with broken wing
20111	Limnodromus <del>griseus</del> scalopaceus	Ad	♂		"	3 Oct, 1963	"	Badly shot up. Moderate fat, Testes 2x1, 2x1.
20112	Sula dactylatra	Imm	♀		"	1 Oct. 1963	"	1819g Found with broken wing
20113	Heteroscelus incanum	Ad	♂		"	29 Sept. 1963	"	Moulting heavily, Testes 2x1, 2x1 mm
20114	Anas <del>carolinensis</del> acuta	?	♀	Wing spread - 31.7" Culmen - 2.0" middle toe 2.5" Total Length - 19.5" Tarsus 1.65"	"	Oct 1, 1963	"	Shot. 2 small Tapeworms.
20115	gecko				"	3 Oct. 1963	"	416 gms. NO fat, Emaciated
20116	1 gallon jar filled with Masked Booby Foods Collection beginning on				"	4 Oct. 1963	"	
20117	Rattus	Sub.	♂		"	4 Oct. 1963	"	Seen feeding on punctureweed



FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS	Parasites
20118	<i>Sula dactylatra</i>	Sub-Adult	♀	Wing Span - 64", middle toe 4 3/16", Culmen 4 1/2" Total Length - 33 1/2", Tarsus - 2 1/2" 2044 gms. Wing Span - 425 mm. Middle Toe 27 mm Culmen 22 mm	WIRT2 Ludwig	4 Oct., 1963	Hawaii, Kure, Green Id.	iris yellow Small Fat. No internal Band # 697-70640, lots of lice.	
20119	<i>Arenaria interpres</i>			Total length 211 mm. Tarsus 28 mm 80.2 gms. Wing span 427 mm Middle Toe 27 mm Culmen 21 mm	"	6 Oct. 1963	"		
20120	<i>Arenaria interpres</i>			Total length 222 mm Tarsus 27 mm 91.1 gms Wing span 899 mm middle Toe 45 mm Tarsus 42 mm	"	6 Oct. 1963	"		
20121	<i>Pterodroma ultima</i> <del>Great Petrel</del>	Ad	♀	Total Length 368 mm Culmen 31 mm Weight 405.2 gms Wing Span 392 mm Tarsus 31 mm Culmen 26 mm	"	7 Oct., 1963	"	very Fat, Ovary 13x7 mm, largest Ovary 2 mm	
20122	<i>Erolia acuminata</i>	Ad	♀	Total length 208" mid. Toe 31" Weight 53.2 gms Wing Span 329 mm Tarsus 28 mm Culmen 11 mm	"	7 Oct., 1963	"	Very Fat, Ovary 5x3 mm. Moderate Fat.	
20123	<del>Alauda</del> <i>arvensis</i>	Imm?	♀	Total length 188" mid. Toe 23" Weight 39.2 gms. Wing Span 518 mm Tarsus 53 mm Culmen 24 mm	"	7 Oct. 1963	"	Ovary very Small (1 mm.) Testes 3x1, 2x1, Small Fat	
20124	<i>Pluvialis dominica</i>	Ad	♂	Total length 262" mid. Toe 33" weight 96.1 g.	"	8 Oct., 1963	"	Found to broken left wing	
20125	<i>Pluvialis dominica</i>	Ad	♂	Weight 114.7 Wing Span 1431 mm Culmen 86 mm Middle Toe - 79 Length 738" Tarsus 42" 1013 gms.	"	10 Oct. 1963	"	Very Fat, Testes 3x1, 2x1 mm. Small Fat.	
20126	<i>Sula sula</i>	Imm	♀		"	11 Oct., 1963	"	Found to broken right wing Found to broken wing.	
20127	<i>Puffinus pacificus</i>	Ad	♂	397 gms.	"	11 Oct 1963	"	Testes 3x6, 3x6, Mod. Fat.	
20128	<i>Erolia acuminata</i>	Ad	♂	53.1 gms	"	14 Oct 1963	"	many mallophagans Testes, 3x1, 3x1 mm. Small Fat	
20129	<i>Sula sula</i>	Ad	♀	1008 gms	"	14 Oct., 1963	"	Ovary v. small, 9x7 mm. Few follicles Active Wing broken during banding operation	
20130	<i>Rattus</i>	Sub.	♀		"	16 Oct. 1963	"		
20131	<i>Rattus</i>	Ad.	♀		"	16 Oct. 1963	"		
20132	<i>Arenaria interpres</i>	-	-		"	19 Oct. 1963	"	Found dead, well skeletonized.	
20133	<i>Anous stolidus</i>	Ad	♂	Wing Span 837 mm Culmen 43 mid Toe 44 Length 439" Tarsus 31 Weight 229.1 g. Wing sp. 800 mm Culmen 36 mm mid Toe 41 mm	"	19 Oct '63	"	Shot. Mod. Fat. Some generalized but not heavy body moult	
20134	<i>Anous stolidus</i>	Juv	♀	Length 393" Tarsus 29" Weight 184.6 gms W.S. 496 C. 41 MT. 33 L. 287 T. 41 W. 129 g. W.S. 846 C. 39 MT. 40	"	19 Oct. '63	"	Shot - Few follicles Active on head Skeleton - Mod. Fat. Shot.	
20135	<i>Heteroscelus incanum</i>			L. 411 T. 27 W. 193.9 W.S. 768 C. 26 MT. 39 L. 322 T. 32 W. 194.2	"	20 Oct. '63	"		
20136	<i>Anous stolidus</i>				"	20 Oct. '63	"	Killed w/ Rock. Testes 8x6, 7x5 mm. Small Fat.	
20137	<i>Pterodroma hypoleuca</i>	Ad	♂		"	20 Oct. '63	"	Found dead on beach. Skeleton.	
20138	<del><i>Heteroscelus incanum</i></del>	Ad.	♂		"	18 Sept. '63	"		
20139	<i>Sula leucogaster</i>	Juv.	♀	Wing 410 Culmen 103 Mid. Toe 93 Tail 215 Tarsus 51 Weight 1083 Wing 465 Culmen 86 mid. toe 77	"	23 Oct '63	"	Ovary v. small Bill Blue Few back Follicles Mod. Fat. Iris grey Active	
20140	<i>Sula sula</i>	Juv.		tail 222 Tarsus 39 Weight 827.45 gm Wing Span 270 mm Culmen 12 mm Weight 23.7 Tail length 68" Tarsus 25" Total length 171" mid. Toe 22"	"		"	Ovary 1x2 mm Rectus yellow Exceptionally Fat. No moult	
20141	<i>Anthus spinoletta</i>	Juv?	♀		"	25 Oct. '63	"	Testes 1x2, 1x2. mod. Fat. Body moult. 90% to it. Skeleton - discarded after rats	
20142	<i>Heteroscelus incanum</i>	Ad	♂	WS 479 C 38 W. 83.1 L. 266 MT 33	"	25 Oct. '63	"	10% feather follicles Active Skin, Small Fat. Tc. 1x2, 1x2.	
20143	<i>Heteroscelus incanum</i>	Ad	♂	W.S. 667 Cul. 44 W. 107.3 gms L. 233 Tarsus 35 Wing Span 638 mm Culmen 45 mm Weight 103 Tail 24 mm Tarsus 24"	"	25 Oct. '63	"		
20144	<i>Anous minutus</i>	Ad	♀	Length 123 354 Tail 25 Wing Span 638 mm Culmen 45 mm Weight 103 Tail 24 mm Tarsus 24"	"	26 Oct. '63	"		
20145	<i>Anous minutus</i>	Ad	♂	Total length 344 mm. mid. Toe 34" Wing 5.665 mm Culmen 44 mm Weight 102.5 gms Tail 335" Tarsus 24" Length 335" mid. Toe 35"	"	26 Oct. '63	"	5 Skeleton SKIN SKIN Small Fat. Generalized moult Central 2 Rectrices Follicles Active Testes 1x3, 1x2 mm. Small Fishy gut. Moulting on head & neck Primarys, rectrices. Small Fat.	
20146	<i>Anous minutus</i>	Ad	♀		"	26 Oct. '63	"		

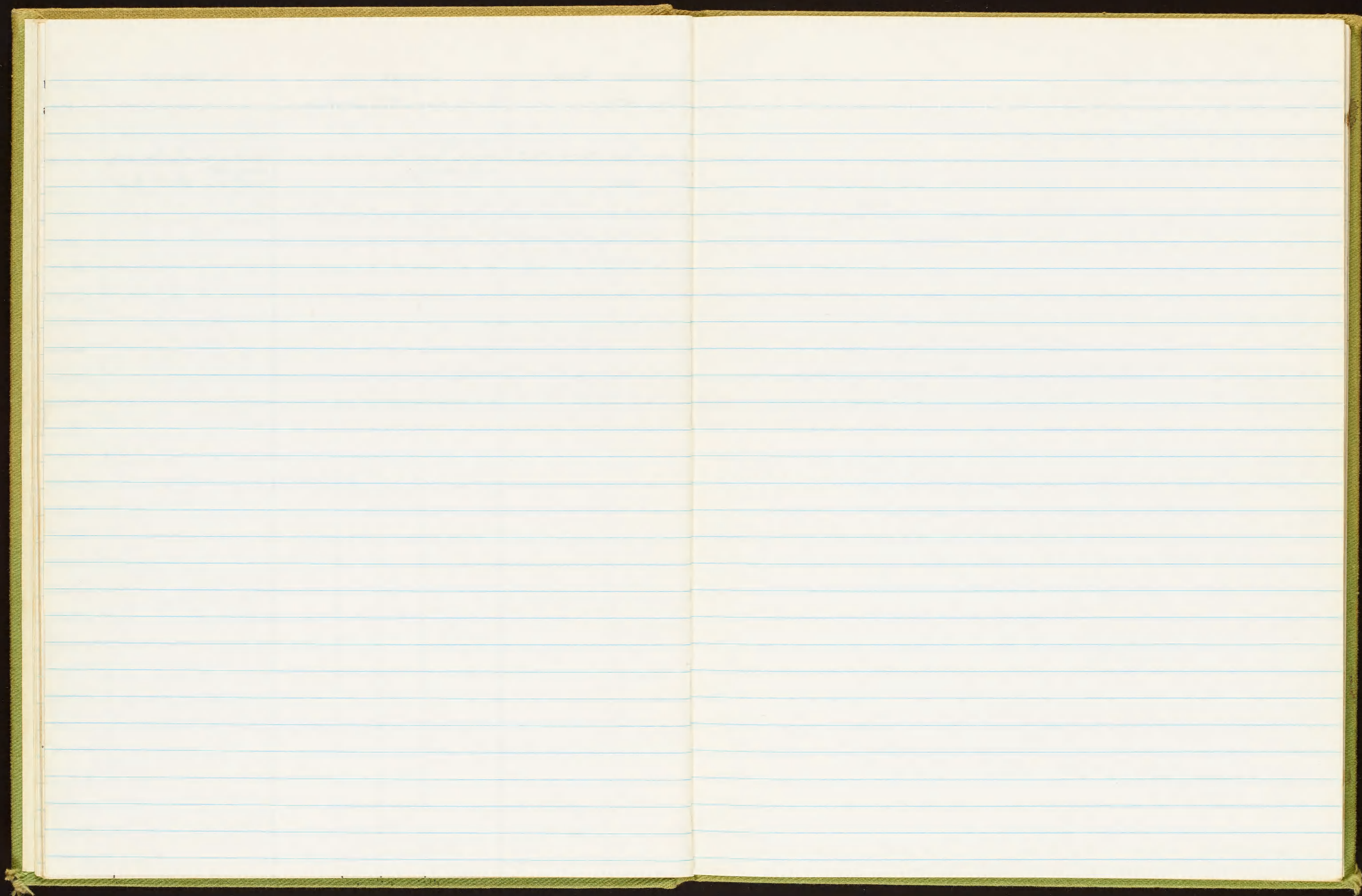


FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS
20147	<i>Phaethon rubricauda</i>	Ad.		W.S. 476 mm Culmen 22 mm Weight 85.7 gms T. 58 " Tarsus 31 "	W.O. Wirtz J. P. Ludwig	25 <del>26</del> Oct. 1963	Hawaii, Kure Atoll, Green Id.	Found w broken wing Ovary 8x4 mm. Moderate Fat. Many of Retrices & Coverts Follicles Active
20148	<i>Arenaria interpres</i>	Ad	♀	W.S. 483 mm Culmen 23 mm Weight 89.0 gms T. 57 " Tarsus 29 "	"	28 Oct. 1963	"	Shot. Skin. 5% of Body Follicles Active
20149	<i>Arenaria interpres</i>	Ad	♀	L. 228 " mt. 28 " W.S. 537 mm C. 40 mm. Weight 182.2 gms Tail 152 " T. 28 "	"	28 Oct. 1963	"	Ovary 7.5x3 Capital Tracts Active, Few body Follicles Active Shot. Skin. Moderate Fat.
20150	<i>Anous stolidus</i>	Juv	♀	L. 393 " mt. 42 " W. 132 Tarsus 34.5 Tail 56 mt. 31	"	29 Oct. 1963	"	No Mount Shot Skeleton - Very Fat
20151	<i>Erolia acuminata</i>	Ad	♀	C. 24 Weight 34.2 Wing 213 Length 398 m. Toe 67 Wingsp. 725 Culmen 41.5	"	29 Oct. 1963	"	Ovary 5x3 Most Body Follicles Inactive Shot. Netted, Skin, Partial Skeleton
20152	<i>Aythya fuligula</i>	Juv?	♀	Tail 79 Tarsus 43 weight 386.3	"	29 Oct. 1963	"	Ovary 6x4 mm. Small Skin, Iris Yellow, Moderate Fat.
20153	<del>Red Footed Booby</del> <i>Sula sula</i> ( <i>Sula sula</i> )		Food S		Wirtz Ludwig Amerman	Began 5 Nov. 1963	"	10 % Formalin Whirl Pac.
20154	<i>Rattus exulans</i>				"	6 Nov. 1963	"	Alcohols in 100% Formalin
20155	<i>Rattus exulans</i>				"	" " "	"	"
20156	<i>Monachus scholanzlandi</i>	Ad	♀			10 Nov. 1963	"	
20157	<i>Pterodroma hypoleuca</i>	Ad	♂		Amerman		"	
20158	UNIDENTIFIED DUCK				J.P. Ludwig	13 Nov 1963	HAWAII, MIDWAY ATOLL, SAND IS.	Skeleton
20159	<i>PTERODROMA hypoleuca</i>		♂		"	" " "	"	
20160	<i>Gygis alba</i>				"	" " "	"	
20161	<i>Chocethia alba</i>				"	" " "	"	
20162	<i>Pluvialis dominica</i>				"	" " "	"	
20163	<i>Erolia acuminata</i>				"	" " "	"	
20164	<i>Anas carolinensis</i>				"	" " "	"	
20165	<i>Anas carolinensis</i>	Ad?	♀	Wing 74 mm Culmen 36 mid toe Wt. 259 gms. T. 75 Tarsus 29 W.O. Wirtz	"	" " "	"	Ovary 3x0 mm No Mount Stomach 3x2 mm Had difficulty in skinning
20166	<del>ANAS platyrhynchos</del> <i>Aythya fuligula</i>	Ad?	♀	Wing 192 mm Culmen 38 Mid Toe 40 Wt. 211 gms. Tail 64 (ulna) Tarsus 29 Ovary 1x0 mm	"	" " "	"	Stomach 3x2 mm (see 20165) With anal sac. J.P. Ludwig J.V. Hemmick
20167	<i>Anas acuta</i>	Ad	♀	Wing 258 mm Culmen 46 mm Weight 592 gms. T. 101 Tarsus mid toe	"	" " "	"	Stomach destroyed by shot skeleton (or all) preserved ectoparasites all 2 - 20 Nov 64
20168	<i>Chocethia alba</i>		♂		"	" " "	"	
20169	<i>Oceanodroma markhami</i>		?		"	" " "	"	
20170	<i>Diomedea immutabilis</i>	Ad.	♀	Wing 509 Tarsus 90 Tail 192 mid toe 115 Culmen 108 Weight 2997.8 gms.	J.P. Ludwig	14 Nov. 1963	Hawaii, Kure Atoll, Green Is.	No mount. R Tract Preserved. 2000000 (N=1000) Intestine, 6 Squid beaks injured, killed. Lgst. ovum 62 mm. Mod. Fat.
20171	gecko				Wirtz	15 Nov. 1963	"	
20172	<i>Sula Sula</i>	Juv.			Wirtz	15 Nov. 1963	"	Killed during banding operation.
20173	<i>Fregata minor</i>	Juv.			Wirtz Amerman Ludwig	16 Nov. 1963	"	Found w broken wing
20174	<i>Fregata minor</i>	Ad.	♂	Wing 598 tarsus 27 testes - tail 422 mid toe 54 left - 9x6 culmen 109 weight 1134.6 gm nt. - 6.5x4.5	Amerman	23 Nov 1963	"	Dead waterburyan wing; skin
20175	<i>Puffinus pacificus</i>	Imm		Wing 258 tarsus 50 tail 135 mid toe 57 culmen 40 weight 197.0 gm	Wirtz Ludwig Amerman	25 Nov 1963	"	

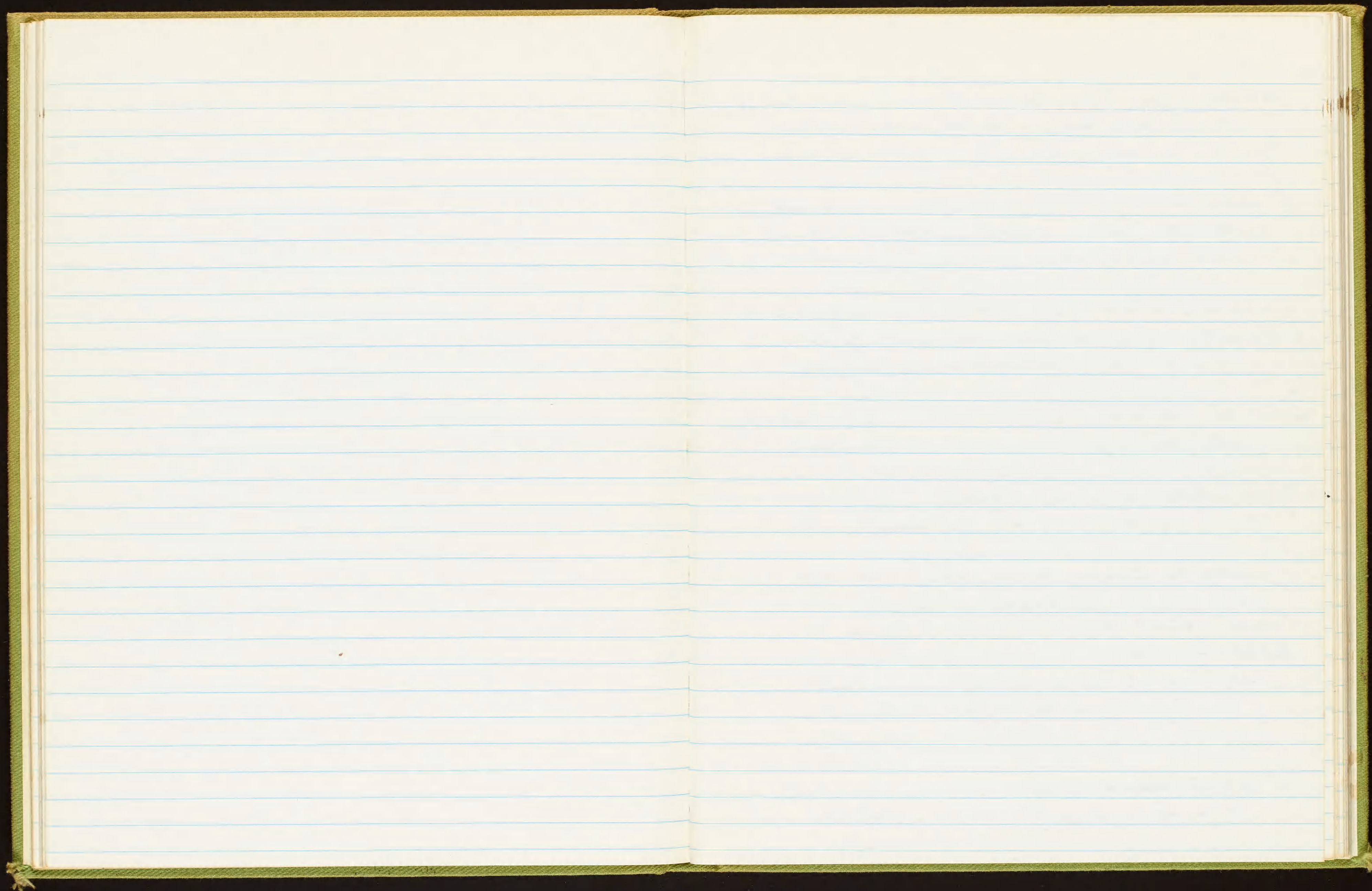


FIELD NO.	SPECIES	AGE	SEX	MEASUREMENTS	COLLECTOR	DATE	LOCALITY	REMARKS
20176	<i>Sula sula</i>		♀		Clapp 477		Hawaii, Kure Atoll, Green Is.	
20177	<i>Pluvialis dominica</i>	Ad.						
20178	<i>Pterodroma hypoleuca</i>		♀	weight 162.2	Clapp 470	Dec. 11, 1963	Hawaii, Kure Atoll, Green Is.	Dead with broken wing.
20179	<i>Philomachus pugnax</i>		♂	weight 181.6	" 471	"	"	Heavy fat Shot near South Point.
20180								
20181								
20182								
20183								
20184								
20185								
20186								
20187								
20188								
20189								
20190								
20191								
20192								
20193								
20194								
20195								
20196								
20197								
20198								
20199								
20200								
20201								
20202								
20203								
20204								











Record

- 6 Sept. 1963 Ludwig arrived on Midway. Collected 3 Bonin Island Petrels. Two petrel band recoveries.
- 7 Sept. 1963 Collected 4 Bonin Island Petrels and one Golden Plover. ~~Four~~ <sup>Four</sup> petrel band recoveries.
- 8 Sept. 1963 Collected one adult and one chick each of Fairy Tern and Red-tailed Tropicbird. Five petrel band recoveries.
- 9 Sept. 1963 Collected one immature Red-tailed Tropicbird and one immature Fairy Tern.
- 10 Sept. 1963 Collected one Red-tailed Tropicbird. One Tropicbird band recovery.
- 11 Sept. 1963 Equipment arrived at Midway. One Red-tailed Tropicbird recovery. 13 immature Red-tailed Tropicbirds banded (605-12301 to 12373). 13 adult Red-tailed Tropicbirds banded (605-12451 to 12463). Three Bonin Island Petrels banded (753-32001 to 32003).
- 12 Sept. 1963 One Bristle-thighed Curlew collected. Three Fairy Terns banded (642-00001 to 00003).



13 Sept. 1963 Ludwig went to Kure. Witz arrived at Midway. 3 Bonins banded (753-32004 to 32006).

14 Sept. 1963 Collected 2 immature Red-tailed Tropicbirds, one Sanderling, one Bristle-thighed Curlew, 2 house mice. One band recovery on a Red-tailed Tropicbird. Banded 5 Fairy Terns (642-00004 to 00008). Banded 42 immature Red-tailed Tropicbirds (605-12374 to 12400 and 12486 to 12500). Banded 2 adult Red-tailed Tropicbirds (605-12464 and 12465). Also imm Tropicbirds (605-12466 to 12485).

15 Sept. 1963 Banded 93 Bonin Island Petrels (753-32007 to 32100), also Fairy Terns and a few Bonins with #2 bands (642-00009 to 00046). Fourteen band recoveries on Bonins. Two wedgetails banded.

16 Sept. 1963 Banded 200 Bonin Island Petrels (753-32101 to 32300). Finished string of 215 on Fairy Terns (642-00047 to 00100). Banded 10 more wedgetails (numbers for this species for 15th + 16th are 605-12501 to 12512).

17 Sept. 1963 Collected one solitary sandpiper, one turnstone, 2 Golden Plovers, and a pair of teal on the runway extension. Heavy rain in evening.

18 Sept. 1963 Went to Eastern in AM. Collected a pair of Xmas Island shearwaters, one tattler, one Bristle-thighed curlew, one sooty tern, one turnstone and 2 black rats. Banded 200 more Bonins this night (753-32301 to 32500).

19 Sept. 1963 All gear packed and loaded to go to Kure. Flight canceled. No collecting or banding.

20 Sept. 1963 Arrived Kure 0800. Walked around beach from 1330 to 1700. Common noddy abundant, red-tailed tropicbird abundant, many chicks present, frigatebirds abundant, several hundred golden plovers on Green I., 4 Bristle-thighed curlews, several wandering tattlers, 3 Fairy terns, ruddy turnstone common, red-footed, masked and brown booby common, sooty terns flying over, station personnel said they nested at end of the runway. We saw a steel gray tern with a black cap; too far for identification. Wedgetails and Bonins common after dark, also a few Xmas I. shearwaters. 26 seals on Green I., all adults; at least 20 on Sand I. Shot 24 rats near the dump tonight, probably R. exulans, very abundant on whole island.



21 Sept. 1963 Masked Boobies nesting in interior of island, a few still have eggs. Counted 5 seals on Green I., 20 on Sand I. Collected 27 rats after dark. Common noddys band return 713-00975. Collected 2 wedgetails, 2 frigates, one Bonin petrel.

22 Sept. 1963 Began setting up study <sup>area</sup> AL in the antenna field. Many rats running around in daytime here. Counted 16 seals on Green I. Put on seal tags 200 thru 205.

23 Sept. 1963 18 seals counted on Green I. Bonins come in about 1900, don't begin calling till numbers are present. One Xmas I. shearwater seen with Bonins. Banded in antenna field this evening.

#### Birds Banded:

Brown Booby: 737-45201 → 205 ✓

Masked Booby: 558-85101 → 116 ✓

chick: 1, 2, 4, 5, 9, 10, 13, 14, 15, 16

adult: 3, 6, 7, 8, 11, 12

Wedgetail: 605-12513 → 542 ✓

Bonin: 642-00101 ✓

Red-tailed Tropicbird - 605-12601-3A, 4C, 5-7A  
605-12701-C.

Brown Booby recovery	597-83244
Masked Booby recovery	597-83298
	697-70951
	697-70952
	697-70954

#### Masked Booby pairs - new birds and band recoveries

697-70950	and	667-39212	
597-83265	and	697-70954	
667-39223	and	697-70949	
697-24521	and	697-70953	
667-39202	and	667-39213	
558-85106	and	697-70645	
558-85108	and	667-39219	
558-85111	and	697-70649	chick 558-85110
667-39211	and	667-39206	
667-39220	and	667-35064	chick 558-85113
597-83262	and	697-70948	chick 558-85114

24 Sept. 1963 Worked on study area AL all day. Collected 2 immature masked boobies with broken wings. Banded 2-737-45101, 02.

25 Sept. 1963 Worked on study area AL all day.



26 Sept. 1963 Rain and wind all day.  
Counted 27 seals on Green I. in the evening.  
Banded one Xmas I. chick on E Beach  
(514-76601 ).

27 Sept. 1963 Stakes and red flags put out  
every hundred yards around the beach today.  
17 seals tagged (206 thru 222), all but 2  
of them on N Beach.

28 Sept. 1963 Wind and rain most of the  
day. Banded birds for several hours  
tonight. 72 birds done as follows:

✓ Brown Booby: 737-45206

✓ Masked Booby: 737-45103 chick

✓ Red-footed Booby: 737-45301 to 319 adult 389 to 400 <sup>Imm.</sup> ~~chick~~

✓ Common noddie: 753-32503 to 523

✓ Fairy tern: 642-00201 and 202

✓ Frigatebird: 737-45401 to 409 adult 496 to 500 imm.

✓ Wedgetail: 605-12545 + 547 adults ✓

12546 and 599 chicks ✓

✓ Bonin I. petrel: 753-32501 and 502

Band recoveries:

Masked Booby 697-24529 with imm. on

band 737-45103

Masked Booby 597-83261

Collected banded immature Red Footed Booby #

29 Sept. 1963 Two small passerines seen today but  
couldn't be collected. More wind and rain, but  
wind shifted to NE and E now. Tagged 7  
seals (223 thru 229). Most of seals on SE  
and W beaches.

30 Sept. 1963 Duck seen on road from runway  
to station at dusk this evening but couldn't  
collect it. Laid out 2 shearwater study plots  
today. Plot #B is south of the road to the  
dock, a 200 foot square with 2 sides  
running N-S and 2 E-W. North side of  
plot is 10 feet from the sending antenna.  
Plot #A is adjacent to E side of study area  
AL, also 200 foot square with 2 sides  
running E-W and 2 N-S. The western most  
N-S line is also line L-8 to L-12 of area  
AL.

1 Oct. 1963 Duck seen again; <sup>collected this evening.</sup> but still couldn't  
be collected. Banded the following birds.

Red-footed Booby 737-45388 imm.

Masked Booby adult 737-45104

imm. 737-45105 thru 110

Brown Booby adult 737-45207 and 221

imm. 737-45208 thru 220

and 45222



Band recoveries:

Masked Booby adults:

697-24519 ♀ and <sup>?</sup> 697-35063 ♂ paired

667-39216 ♀

697-24525 ♀

597-83253 ♂

667-35036 ♂

697-24520 ♂

697-90197 ♂

Brown Booby adults:

697-70674

597-83246

2 Oct. 1963 Banded Christmas I. imm. on E  
Beach (514-76602).

3 Oct. 1963 Collected <sup>Long</sup> ~~small~~ billed Sooty Tern.  
Banded this evening on shearwater Plot # B

Christmas I. shearwater:

adults 514-76603 and 604

imm. 514-76605

Wedgetailed shearwater:

imm. 605-12560

adult 605-12548 thru 563 ex. 60

Bonin I. petrel: 753-32523 thru 32535

Wedgetail 605-32564 banded outside  
area Plot # 1.

4 Oct. 1963 Banded in antenna field as follows:

Masked Booby adult: 737-45111 thru 45129

" imm.: 737-45168 thru 45200

Brown Booby adult: 737-45223 thru 45228

" imm.: 737-45292 thru 45300

Bonin I. petrel: 753-32601 thru 32646

(in Plot # A 753-32603 thru 32622)

Wedgetailed shearwater: 605-12801 thru 12831

605-12564 thru 12600

(in Plot A 605-12568 thru 12592)

Tagged 7 seals on N Beach in the  
afternoon (230 thru 239 [2 tags broken]).



Brown Booby recoveries on Kure, October 1963

597-83244 23 Sept.  
 697-70674 1 Oct.  
 597-83246 1 Oct. to chick  
 697-70694 4 Oct.  
 697-70923 4 Oct.  
 697-70685 4 Oct.  
 697-70681 4 Oct.  
 587-52715 4 Oct.  
 697-70678 4 Oct.  
 597-83264 4 Oct.  
 697-70677 11 Oct.

Masked Booby recoveries on Kure, October 1963

597-83263 ♂ 4 Oct.	697-70947 ♂ 4 Oct.
? 697-83298 ♀ 23 Sept.	697-70921 4 Oct.
697-70951 ♂ 23 Sept.	697-70645 4 Oct.
667-39212 ♀ 23 Sept.	697-70644 4 Oct.
<del>697-70954 ♂</del>	697-70963 4 Oct.
667-39219 ♂ 4 Oct.	667-30925 39205 4 Oct.
697-24507 ♀ 4 Oct.	697-70649 4 Oct.
697-70950 23 Sept.	<del>667-39212</del> 4 Oct.
667-39223 ♂ 23 Sept.	667-35065 4 Oct.
597-83265 23 Sept.	667-35045 4 Oct.
697-70954 ♂ 23 Sept.	697-70658 4 Oct.
697-70949 23 Sept.	667-35056 4 Oct.
697-24521 23 Sept.	667-35059 4 Oct.
697-70953 23 Sept.	697-24530 4 Oct.
667-39202 4 Oct.	667-35036 1 Oct.
667-39213 4 Oct.	697-70660 4 Oct.
697-70645 23 Sept.	667-35044 4 Oct.
667-39219 23 Sept.	697-39222 4 Oct.
697-70649 23 Sept.	697-24529 23 Sept.
667-39211 23 Sept.	697-24519 1 Oct.
667-39206 23 Sept.	697-35063 4 Oct.
667-39220 23 Sept.	667-39207 ♂ 4 Oct.
667-35064 23 Sept.	667-35070 ♀ 4 Oct.
597-83262 23 Sept.	667-35033 ♂ 4 Oct. to chick
697-70948 23 Sept.	697-90196 ♀ 4 Oct.
<del>697-70949 4 Oct.</del>	667-35053 ♂ 4 Oct.
<del>597-83262</del> 4	697-90196
667-30562 ♂ 4 Oct.	667-35026 ♀ 4 Oct.



697-90197 ♂ 1 Oct.  
697-83277 ♀ 4 Oct.  
597-83253 ♂ 1 Oct.  
697-24509 ♂ 4 Oct.  
697-24501 ♂ 4 Oct.  
697-24506 ♀ 4 Oct.  
697-90199 ♀ 4 Oct.  
667-35073 ♂ 4 Oct.  
597-83261 28 Sept.  
667-39216 ♀ 1 Oct.  
697-24525 ♂ 1 Oct.  
~~597-83253~~ 4  
697-24520 ♂ 1 Oct.  
597-83269 ♀ 4 Oct.  
667-35049 ♂ 4 Oct.  
697-70650 ♂ 4 Oct.  
697-70653 ♂ 4 Oct.  
667-35060 ♂ 4 Oct.  
697-70652 ♀ 4 Oct.  
597-83280 4 Oct.  
667-35047 4 Oct.  
~~597-24500~~ 4 Oct.  
667-35027 4 Oct.  
667-35032 4 Oct.  
667-35057 4 Oct.  
667-35054 4 Oct.  
697-70620 4 Oct.  
667-35034 4 Oct.  
667-35069 4 Oct.  
697-70661 4 Oct.

697-24524 4 Oct.  
697-24505  
667-35038 ♀  
667-35075  
667-35043  
697-24514  
697-70634  
667-35035  
597-83279 ♂  
667-39215  
667-35030  
697-70920  
667-24512  
667-35068  
697-24502  
667-35067  
697-70663  
697-70664  
667-35028  
697-24517 ♂  
697-70656  
697-70654  
667-35039  
697-24523  
667-35031  
697-70651  
667-35063  
667-350291  
667-39221  
667-35042

667-35041 4 Oct.  
697-24518  
697-24519  
697-46526  
667-35037  
667-35058  
667-35064  
667-39220  
697-24522  
697-70662  
697-24511  
697-24513  
667-35052  
~~697-24525~~  
697-70919  
697-24527  
697-90198  
697-24516  
667-39218 ♂  
697-35046 ♀ 9 Oct.  
697-70617 ♀ 9 Oct.  
697-70633 ♀ 9 Oct.  
697-70952 23 Sept.  
667-39210 4 Oct.  
597-83415 ♂ 11 Oct.  
697-70657 ♀ 11 Oct.  
697-70642 11 Oct.  
697-70665 11 Oct.  
667-39201  
697-24503 ♂ 11 Oct.

~~697-70954~~  
~~697-70954~~

11 Oct.  
to D.C. 11 Oct.  
11 Oct.



5 Oct. 1963 Sixteen seals tagged on Green I., covering the whole beach with the exception of part of the undrivable E beach. (Was 240 there 254 [one broken]). Noted a small passerine this evening but were unable to collect it.

6 Oct. 1963 Saw a duck fly over the island twice today and 2 passerines. Couldn't find any of them when we went out with the gun. Set traps in study area A1. Saw Hawaiian short-eared owl over study area when we were setting traps.

7 Oct. 1963 Caught 71 rats in area A1. Collected <sup>Murphy's</sup> ~~great~~ petrel in study area. Collected <sup>Sharp-tailed</sup> ~~Siberian~~ ~~petrel~~ sandpiper near fuel tanks. Collected skylark(?) on road to transmitter building. Saw a duck land in the study area about noon.

Banding:

✓ Brown Booby adult: 737-45229 ♀ and 230 ♀

✓ Masked Booby adult: 737-45130 ♀

✓ " imm.: 737-45167

8 Oct. 1963 Caught 103 rats in area A1, 73 new ones and 30 recaptures.

Banding:

Brown Booby adult: 737-45231 ♂

9 Oct. 1963 Caught 114 rats in area A1, 68 new animals and 46 recaptures. Noted 2 yellowlegs(?) flying over the area and calling.

Banding:

Masked Booby imm.: 737-45166

Recoveries:

Masked Booby: 667-35046

697-70617

697-70633

Brown Booby: 597-244

10 Oct. 1963 Caught 130 rats in area A1, 58 new animals and 72 recaptures. Saw passerine on island this evening but couldn't collect it.

11 Oct. 1963 Saw passerine again this evening but couldn't collect it. Recorded all seal wallows on island. Noted X was quick 76605 out exercising its wings this evening.



# Banding:

Masked Booby adult: 737-45<sup>131</sup>~~131~~ thru 45135

" imm.: 737-45165

Brown Booby adult: 735-45232 thru 45235

" imm.: 735-45287 thru 45291

(Masked Booby 132 replaced #8 - 106)

Bonin I. petrel: 753-32536 thru 32559

Wedgetailed shearwater:

adult: 605-12832 thru 12880

imm.: 605-12899 and 12900  
Killed w.o.w.

# Recoveries:

Masked Booby: 597-83415 ♂

697-70657 ♀

697-70642

697-70665

667-39201

697-24503 ♂

Brown Booby: 697-70677 on area AL

# Notes:

Plot B banding:

WT 12832 thru 12845

Bonin 32536 thru 32540

Plot A banding:

WT 12861 thru 12870

Bonin 32546 thru 32554

# Area AL banding:

WT 12871 thru 12880

chick 12900

Bonin 32555 thru 32558

WT 12850 ad. with chick 12899

All other birds banded outside study plots.

Chas Robbins' Band numbers:

667-39601 thru 667-40000

12 Oct. 1963 One seal tagged in town of whole island; only 5 on land.

13 Oct. 1963 Sunday

14 Oct. 1963 Took whole day to put platform up in radar reflector for observation tower. Banding this evening as follows:

Common noddys imm.: 753-32563

adult: 753-32564 thru 32561

753-32564 thru 32580

Bonin I. petrel adult: 753-32562

Hawaiian noddys adult: 442-00102 thru 00118

Wedgetailed shearwater: 605-12881 thru 12884

Brown Booby adult: 737-45326 ad.

✓ 737-45424 ad. ♂

✓ 737-45488 ad. ♀



Red-footed Booby adult: 737-45320 thru 45342

737-45344

737-45347 thru 45355

737-45415 thru 45437

737-45471

Red-footed Booby imm. : 737-45351, 45343, 45345

(ad. with black specks)  
plumage 45346

737-45375 thru 45387

Red-footed Booby imm. : 737-45356 thru 45374

(brown plumage)

✓ 737-45447 thru 45450

✓ 737-45438 thru 45446

✓ 737-45470

✓ Frigatebird adult : 737-45410 thru 45414

737-45451 thru 45453 all ♀s

737-45459 ♂, 460 ♀, 461 ♀,

462 ♀, 465 ♀, 466 ♀, 467 ♀, 469 ♀, 481 ♀

✓ Frigatebird imm. : 737-45482 - 45495

737-45454 thru 45458

737-45463, 45464, 45468

#### Notes:

Banded east of runway:

Redfoots 45427 thru 45446

Taken off SW beach:

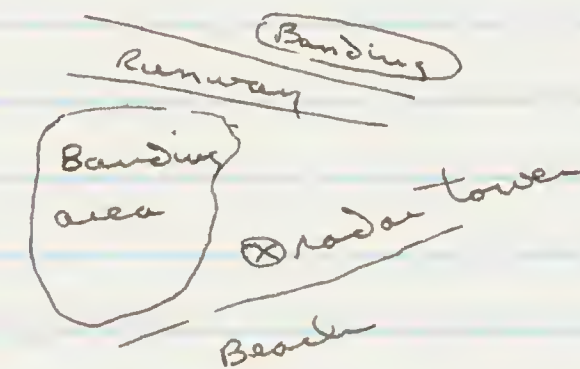
Frigates 45454 thru 45469

and 45481

Redfoots 45470 and 45471

Noddies - all

Rest of Frigates and Noddies taken  
in area between radar tower and runway  
and north of the radar tower.



15 Oct. 1963 Rain + wind most of day. Worked  
on observation tower at north end of island  
in PM till rain drove us away. Worked on  
specimens and banding schedules.

16 Oct. 1963 Rain and wind all day. Severe  
electrical storm. Autopsied rats and worked  
on banding schedules all day.

Banded wedgetail this evening which flew  
into the building 605-12085.

Got out late this afternoon and tagged  
seals. Tagged 13 (256 thru 271 [3 broken])  
and got 8 recoveries.

17 Oct. 1963 Rain and high winds all day.  
Spent whole day autopsying rats and working  
on data.

18 Oct. 1963 Rain and wind most of day.  
Covered whole beach this afternoon looking  
for accidentals and seals. Saw an *Aythya*



several times today but couldn't collect it, either a redhead or canvas-back. Most of island's birds seem to be on the ground during this storm.

Tagged 3 seals (272, 73, 74) on trip around the island.

Band recovery:

Red-tailed Tropicbird adu<sup>lt</sup> 585-52203  
on E Beach

19 Oct. 1963 Wind and rain again today. Built plant press and fixed balance case. Collected a few noddies out of a feeding flock for stomach contents.

Covered whole beach again today. No accidentals. Tagged 3 new seals (275, 76, 77).

20 Oct. 1963 Sunday Still wind and rain.

21 Oct. 1963 Laboratory activities suspended and lab packed up to make room for construction crew.

Set traps on area Ah. Seems to be an increase in plover and turnstones on the island. Sanderling(?) noted on beach.

22 Oct. 1963 Traps run till 1315. Catch was 121 with 37 new animals. Saw passerine this evening but couldn't collect it. Reports of albatross back at Midway,

but not confirmed by anyone on plane.

Collected 52 rats alive this evening for October autopsy sample; frozen.

23 Oct. 1963 Traps run till 1215; weighing all animals this period. Catch was 127 with 28 new individuals.

Passerine seen twice today, once over study area Ah and again this evening. Couldn't collect it. Same call as bird seen yesterday.

24 Oct. 1963 Traps run till 1315. Catch was 127 with 28 new individuals.

Plovers and turnstones quite common in study area Ah now.

Construction crew members reported 3 black footed albatrosses on SW Beach after supper. Found and banded one (No. 737-45480), Also red-foot imm. 45472 and ad. frigate 45473.

25 Oct. 1963 Traps run till 1200. Catch was 130 with 22 new animals. Collected *Anthus spindletta* ~~seems to~~ on N Beach. Saw Erolia? but missed it this evening.

Adult tropicbird with broken wing found in antenna field and taken for a specimen.



26 Oct. 1963 Worked on north observation tower. Collected noddies for stomach contents. Banded immature tropicbird (605-12711) and second blackfooted albatross (737-45475<sup>474?</sup>) found on NW beach.

27, OCT 1963 Sunday Worked on north observation tower. Walked beach looking for albatrosses and shells. New liaison officer is Lcdr. Herbert W. Kelschell.

28 Oct. 1963

Banded - 1 wedgetail - 605-12886 Ad.

1 Tropicbird - 605-12712 Ad

One seal tagged (278)

29 Oct. 1963 13 imm. and 2 ad. tropicbirds banded today (605-12713 thru 12727 and 12786). Five black-footed albatrosses banded today (737-45475, 6, and 7, and 737-45137 and <sup>139?</sup>138). Red-footed booby (737-45138) banded.

Black-footed albatross recoveries:

597-84099 blue on rt. leg

527-00153

667-35398

Mist nets caught:

Golden Plover 642-00119 thru 00126

Pomarine Petrel 753-<sup>325</sup>23582

Wedgetail 605-12887 and 12888

30 Oct. 1963

Mist nets caught:

Golden Plover 642-00127 thru 129 and 131 + 132

~~Ruddy Turnstone~~

Sharp-tailed 642-00130

Sandpiper

31 Oct. 1963

Mist nets caught:

Golden Plover 642-00133, 136, 138, 139

Ruddy Turnstone 642-00135

Sharp-tailed 642-00137

Sandpiper

<sup>PF</sup> Albatross banded: 737-45290

737-45140 and 141

<sup>BF</sup> Albatross recoveries: 597-84142 blue on right leg  
697-90167

Two new seals tagged (279 + 280).



1 Nov. 1963

of Albatross Banded: 737-45142 then 45150

" recoveries: 587-63242

597-84148 Blue on right leg

597-84067

697-22917

Four new seals tagged (281 then 284).

Banding this evening.

Red-tailed Tropicbird imm. 605-12729 and 12730

Golden Plover 642-00140

Common Noddy 753-32581, 83, 84, 86

Bonin I. Petrel 753-32585

Black-footed Albatross 737-45151 and 152

Red-footed Booby 737-45153, 56, 57, 58, 59

60, 62, 63

Brown Booby 737-45155

737-45242, 43, 44

Frigatebird 737-45154 + 161

Recoveries -

737-30295 Ad. Red-footed Booby

597-83244 Ad. Brown Booby

667-35399 Black-footed Albatross Blue on right leg

597-83261 - Ad Masked Booby

697-24529 - Ad Brown Booby

697-70680 - Sub Ad. Brown

697-70683 - Brown Booby

2 Nov. 1963

Mist nets caught:

Golden Plover 642-00141, 143, 144

Sharptailed

Sandpiper 642-00142

Black-footed Albatross Banded:

737-45236 and 45237

Black-footed Albatross recovery:

597-84147 Blue band on right leg

Banded <sup>and released</sup> pet imm. Red-footed Booby 737-45164

3 Nov. 1963

Mist nets caught

Golden Plover 642-00146

Ruddy Turnstone 642-00145

Banded Black-foots: 737-45238, 39 + 40

Black-foot recoveries:

667-22964

597-84133

4 Nov 1963

Mist nets caught

Bonin Island Petrel 753-32587

Golden Plover 642-00147

BANDING

Black-footed Albatross - 737-45241, 245-55,

737-45257-62, 271-276; 737-45501

Red-footed Booby - adult: 737-45265-68,

737-45277-286

immature: 737-45270

Wedge-tailed Shearwater 605-12889 → 12896  
imm. 12897, 98, 12900  
added notes from my notes 12-19-63



RED-footed booby - 667-39601

Frigate

adult: 737-45264 (♀)

imm.: 737-45263 + 269(♀)

Laysan Albatross - 737-45256

BAND RECOVERIES

Black-footed albatross -

597 - 36170

597 - 84032, 094, 124, 134, 150, 173, 175

667 - 35396

697 - 22916, 951, 956

697 - 90021

~~Red-footed booby - 667-39601 (ad.)~~ BANDING  
BY US -  
NO RECOVERY

5 Nov 1963

MIST NETS CAUGHT -

Golden plover 642-00148 + 149

Wedge tail 605-12616

BANDING

FAIRY TERN 642-00151

BLACK-FOOTED ALBATROSS -

737-45502-521, 523-528

LAYSAN ALBATROSS 737-45522

FRIGATE

667-39701 ad ♂

702 " "

703 imm ♀

704 ad ♀

705 " "

706 imm

667-39707 imm.

708 imm.

RED-FOOTED BOOBY

adult - 667-39602-610, 612-614

2 yr? - 667-39611

BAND RECOVERIES

Black-footed albatross

587-58352 (red right)

597-84057, 048, 072, 075, 077, 073, 098 (blue)

597-84110, 115, 126, 153, 165, 169, 178, 186, 187, 188,

191, 198 (all blue)

667-35077, 080 (blue), 087

697-22958

697-90016, 90177 (also 527-65524 - same bird)

6 Nov 1963

MIST NET CAPTURES

Golden plover 642-00150, 00152 + 00153

Bonin petrel 753-32588

Rain at night prevented any banding. Jim + Ken have worked on the activity study for the last three days, alternating on the two towers.

7 Nov 1963

Rain and high winds continued from last night - a real northeaster. A few hours of activity observations were obtained. Bill finished four days of trapping in the rat study area.

8 Nov 1963

Cloudy all day with occasional showers.



# BANDING (DAYLIGHT)

## Black-footed albatross -

737-45529-31, 34-41, 44, 46+47, 49+50,

58-61, 63-70, 72-87, 90+91, 94+95

737-45602, 605+606, 608-621, 23-25, 29-33

## Laysan albatross

737-45532, 33, 42, 43, 45, 48, 51, 52-54,

56+57, 62, 71, 88+89, 92+93, 96-98, 45600<sup>(\*)</sup>

737-45601, 603+604, 607, 622, 26-28

## Brown booby (imm.)

737-45555

## BAND RECOVERIES

### Black-footed albatross

587-58034, 58788 (both with 2 red on rt.)

597-48051 (blue)

597-84031 (blue), 036 (blue), 040 (blue), 071 (blue),

84078, 087 (blue), 088

597-84106, 112, 113 (both blue), 120 (blue), 127,

132 (blue), 140, 145 (blue), 170 (blue),

177 (blue), 181, 182, 185 (blue), 195 (blue), 179,

84200 (blue)

597-90105 (blue)

697-22903, 952, 953, 962, 968, 972

697-90001, 003, 022, 025, 044.

697-90101, 106, 110, 123, 130, 131, 144, 149,

159, 168, 169

667-35083, 086

667-35392

## Laysan Albatross

667-35214<sup>blue</sup>, 255 (blue), 268 (blue)

697-22770

697-22172

697-22424

697-24563, 565

697-90362

697-90747, 759

697-90911

9 Nov. 1963

## Banding:

Black-footed Albatross 737-45701 thru 45722

Laysan Albatross 737-45634 thru 45651

Wedge-tailed Shearwater 605-12617, 18, 19

RT Tropicbird ad. 605-12731

" imm. 605-12732

## Band recoveries:

Black-footed Albatross 597-84039 (blue rt.), 84052,

84074, 84128, 84135 (blue rt.)

697-22955, 22963, 22969

697-90024, 90047, 90102, 90122,

90197 - Not 30 - Blue-faced Booby

## Laysan Albatross

667-35457, 35466

697-22057, 22065, 22197,

22199, 22232, 22234

697-24573

697-90475



10 Nov 1963

Weighted two seals and then killed a third accidentally in the process. Rest of afternoon and evening spent skinning the animal and preserving portions of organs.

11 Nov 1963

Cleaned lab in morning. Maps of island showing positions of stakes and study areas prepared during the afternoon. Rain at night prevented banding.

12 Nov 1963

Western Area inspectors arrived in morning. No work done.

Small teal seen in puddle by fuel tanks. Attempt to collect it unsuccessful.

13 Nov 1963

#### BANDING

Black-footed albatross (total - 16)

737-45723-738

14 Laysan albatross 737-45652-698, 45801-27, 830-32

Brown Booby 737-45700

Wedgetail shearwater 605-12620-12623, 12625

Golden plover 642-00154 (Nov. 10), 642-00155-58 (Nov. 11)  
642-00159 (Nov. 12)

Bonin petrel 753-32589-92 (Nov. 12), 753-32593 (Nov. 13)

#### BAND RECOVERIES

Black-footed albatross (total - 10)

597-84038 (blue), 84119 (blue), 183, 193 (blue)

697-22905, 907, 909, 912, 918

697-90141

Laysan albatross (total - 37)

667-35024

667-35256 (blue), 261

667-35309, 335, 336, 382

667-35417, 421, 24, 30, 71, 93+94 (both blue)

697-22445

697-22523, 59, 72, 76, 94, 96

697-22600, 617, 37, 63, 72

697-22702, 717, 50, 56, 79, 94

697-22823, 48, 54, 58, 79, 90

697-24532, 43, 45, 49, 50, 53

697-90209, 253, 88, 84

697-90627

697-90824, 29, 32

697-90909, 917, 22

697-98079

667-39251

#### BANDING

Red-footed Booby - 737-45828

Frigate (imm.) 737-45829

14 Nov 1963

#### BANDING

Red-tailed tropic bird 605-12733

Black-footed albatross 737-45739 → 45758

Laysan albatross 737-45833 → 45879



# BAND RECOVERIES

Black-footed albatross (total - 24)  
 597-84033, 046, (blue), 047, 064 (blue), 070 (blue),  
 076 (blue), 082 (blue)  
 597-84102, 07 (blue), 08, 121 (blue), 123  
 697-22960  
 697-90006  
 697-90013, 19, 23, 53, 17  
 697-90104, 09, 16, 21, 29

Laysan albatross (total - 30)  
 667-35443, 62  
 697-22011, 14, 17, 21, 39  
 697-22114, 17, 33, 35, 44, 46, 73, 76, 80  
 697-22260, 66, 71, 74, 86  
 697-22410  
 697-22912  
 697-90343, 52, 77, 79, 94  
 697-90702, 08

Saw the first three black-footed albatross eggs today, in nests along the southern end of the west beach.

15 Nov 1963

## BANDING

Laysan albatross 737-45880  
 MIST NET CAPTURES  
 Ruddy turnstone 642-00160

Made up metal tags for beach stakes and

vegetation markers. Began laying out vegetation plots, five of sparse growth at present to be observed in development, five to be cut over in order to study regrowth.

16 Nov 1963

## BANDING

Red-tailed tropic bird (imm.) - 605-12734  
 Black-footed albatross - 737-45759-71 (13)  
 Laysan albatross 737-45881-900  
 737-45901-46000  
 737-45772-45800 (149)

## BAND RECOVERIES

Black-footed albatross 597-84151, 67, 71  
 697-22967, 74  
 697-90043  
 697-90128

## Laysan albatross (94)

667-35228, 32 (blue), 40 (blue), 46 (blue), 48 (blue), 95  
 667-35425, 29, 31, 81  
 667-37004  
 697-22056, 60 + 22069 (Ad. Survey 44-725374)  
 697-22164, 66, 67, 77, 86  
 697-22205, 16, 21, 22, 33, 38, 46, 54, 62, 76, 85, 99  
 697-22302, 03, 05, 14, 15, 19, 22, 24, 25, 34, 36, 42,  
 45, 76, 83, 90  
 697-22400, 18, 48, 53, 63, 67, 72, 86, 90, 97  
 697-22500, 02, 06, 13  
 697-22795, 97  
 697-90459, 62, 67, 69, 78, 84



697- 90518, 19, 21, 64, 65, 86, 81, 98, 84

697- 70648, 74, 97

697- 90700, 09, 22, 23, 29, 38, 65, 85, 87, 88

697- 90805, 12, 16

17 Nov 1963

BANDING

Bonin petrel 753-32594

Laysan albatross 737-46001 → 46070

BAND RECOVERIES

Laysan albatross

667- 35408, 10, 18, 23, 26, 34, 72, 73, 74, 75, 86 (blue),

89 (blue), 97 (blue)

697- 22073, 79, 82, 83, 88, 89

697- 22482

697- 22633, 46

697- 22777, 81, 83

697- 22941

697- 90536, 53

697- 90606

Finished laying out vegetation plots. Cleared one in grass at north end of runway. Partially cleared one in morning glory west of runway, behind fuel tanks, and another in mixed vegetation along shore north of runway.

Albatross study nests were begun for nine black-foot nests along the west beach. Two additional recoveries were recorded at two of these nests - 597-84145, 151

18 Nov 1963

BAND RECOVERIES

Black-footed albatross 597-84188 } on eggs on study nests  
697-22901 }

Two additional blackfoot nests were set up for study.

Completed clearing vegetation plots.

Rat traps run all day. All individuals weighed.

19 Nov 1963

MIST NET CAPTURE - ~~Golden Plover~~

Wedge tail, imm. - 605-12624

Second day of trapping. 139 captures.

63 Rattus exulans captured and killed to secure 303 live ticks for Desert.

20 Nov 1963

Third day of trapping in area A-L. 143 captures.

Metal markers placed on row # 1 stakes in area A-L.

First Laysan egg found, at south end of runway on east side, next to small Scaevola. Many blackfoot eggs.

21 Nov 1963

Final day of trapping. Traps collected for cleaning.

Metal markers placed on row # 12 stakes in area A-L.

Two more Laysan eggs, in area A-L.

Ticks taken to Midway for shipment to Honolulu.



21 Nov 1963

BANDING

Sharp-tail Sand piper - ad. - 642-00161

Ruddy Turnstone - ad. - 642-00162

Laysan Albatross - 737-46071

22 Nov 1963

BANDING

Golden plover - ad. - 642-00163

Wedgetail - imm. - 605-12626

Rain & high wind much of day. Cleaned rat traps.

23 Nov

Plant samples collected from north half of island. 18 specimens taken.

Frigate (ad. ♂) found dead on road, skinned.

24 Nov

Photos around beach taken.

House brought over from Midway.

BANDING

Red-tailed tropicbird - ad. - 605-12735

25 Nov

More photos of island. National day of mourning.

26 - 30 Nov

House erected.

27 Nov

Kure Atoll Field Party decreased by departure of W. O. Wirtz II.

1 Dec 1963

Field Party decreased by departure of James P. Ludwig.

2 Dec 1963

Half of trails in rat area cleared.

Census of albatross population and number of eggs begun.

3 Dec 1963

24 Laysan Albatross study nests set up in study area A-L.

LAYSAN RECOVERIES : 12

697-90279	697-22586	697-22581
697-22876	697-90263	697-90920
697-22840	697-22825	
697-22811	697-22832	
697-90269	697-22830	

4 Dec 1963

BANDING RECOVERIES

Blackfooted Albatross 41

597-80463 (84063?)  
597-84053 + 079 (blue), 060, 087, 090  
597-84101, 141, 143, 149, 157, 160, 163, 166, 168 (all blue st.)  
697-22954, 57, 66  
697-90004, 005, 007, 012, 015, 018, 020, 029, 036, 038,  
90039, 046, 048, 050, 052, 055  
697-90103, 108, 113, 114, 115, 117, 124



4 Dec. 1963

Laysan Albatross Recoveries 115

667- 35444, 46, 47, 48, 52, 54, 59, 61, 63, 64, 68, 70  
697- 22002, 05, 06, 10, 12, 16, 20, 33, 36, 37, 38, 43, 45,  
22051, 55, 63, 64, 29  
697- 22107, 08, 13, 18, 19, 21, 22, 24, 25, 28, 37, 38,  
22145, 47, 52, 54, 56, 57, 61, 70, 75  
697- 22255, 57, 58, 61, 65, 68, 73, 81  
697- 22343, 44, 92, 97  
697- 22971  
697- 24566  
697- 90305, 09, 15, 18, 24, 28, 29, 30, 34, 40, 47, 63,  
90368, 70, 76, 82, 89, 91, 96, 98, 99  
697- 90411, 12, 15, 17, 18, 19, 20, 26, 27, 28, 31, 34, 39, 40, 42, 43, 50, 51  
697- 90642, 45, 53, 56, 57, 58, 64  
697- 90703, 15, 16, 30

5 Dec 1963

Blackfoot Albatross Recoveries 9

597- 84083  
697- 22919, 75, 76  
697- 90061  
697- 90111, 25, 32, 50

Laysan Albatross Recoveries 151

597- 38313, red on left  
667- 35203, 07, 09, 12, 16, 21, 23, 34, 39, 41, 42 (all blue) + 53  
697- 22062, 72, 74, 80, 84, 85, 90, 97, 98  
697- 22102, 74, 89, 90, 96  
697- 22201, 06, 07, 09, 11, 17, 23, 26, 27, 31, 39, 44, 50, 56, 57,  
22292, 93, 96, 98, 18

5 Dec 1963

697- 22301, 04, 07, 08, 23, 27, 32, 37, 38, 58, 61, 74, 75, 84, 85, 94  
697- 22403, 16, 17, 23, 27, 31, 34, 37, 46, 47, 57, 64, 65, 73, 74, 76  
697- 24570  
697- 79547 7, 7  
697- 90458, 72, 76, 80, 88, 91, 94, 99  
697- 90506, 07, 09, 15, 23, 25, 29, 30, 31, 34, 37, 38, 42, 49,  
90555, 57, 59, 62, 63, 66, 67, 68, 71, 77, 78, 88, 89,  
90590, 92, 93, 95, 96, 99  
697- 90600, 55, 72, 75, 78, 83, 84, 88  
697- 90741, 46, 55, 60, 62, 63, 64, 72, 74, 76, 77, 78, 81, 89, 93  
697- 90801, 03, 04, 07, 08, 10

6 Dec 1963

Vegetation plots 1, 2, 4 and 1/5 of #3 were mapped  
and photographs taken.

Masked booby population in north antenna field  
reexamined for comparison with former recoveries.

BANDING -

Golden Plover - ad. - 642-00164

Masked Booby - ad. - 737-47001 (4) and 47002 (2).

RECOVERIES -

Masked Booby 667-35051, 55, 72  
667-39204, 43  
697- 24508, 15, 26  
697- 70664

7 Dec 1963

BANDING

Laysan Albatross 737-47201-07, 09, 12-20, 22-24, 27, 28, 30-33,  
(28) 35+36



7 Dec 1963

Black-footed Albatross - 8

737- 47208, 10+11, 21, 25+26, 29, 34

RECOVERIES

Black-footed Albatross - 2

597- 84176 (blue rt.)

697- 90166

Laysan Albatross - 16

667- 35301, 06, 08, 10, 11, 15, 16 (all blue right) + 20

697- 22554

697- 90162

697- 90301

697- 90923, 27, 31, 36, 37

8 Dec 1963

BANDING

Laysan Albatross - 100

737- 47237, 38, 40-50, 53-90, 96-99

737- 47301+02, 04-~~MM~~ 13, 15-47

Black-footed Albatross - 8

737- 47291-95, 47300 39?, 51?, 52?

737- 47303, 14

RECOVERIES

Black-footed Albatross - 2

597- 84122, 25 (both blue rt.)

Laysan Albatross - 22

587- 57243 - 2 red bands

667- 35449

697- 22103, 05, 10, 41

697- 22236

8 Dec 1963

Laysan Albatross ~~AND~~

697- 22326

697- 90304, 10, 12, 33, 39, 50, 53, 54, 55, 57, 58, 61, 65

697- 90479

9 Dec 1963

BANDING

Laysan Albatross - 231

737- 47348 - 400

737- 47401 - 500

737- 47101 - 24, 30-42, 44-46, 48-52, 55-56,

58-63, 65, 70-74, 77, 81-98, 200.

Black-footed Albatross - 21

737- 47125 - 29, 43, 47, 53, 54, 57, 64, 66-69,

75+76, 78-80, 99

Bonin Petrel

Inside area A -

753- 32647-65, 99+700

753- 32997- 33000

753- <sup>33</sup>32101-120, 200

Outside area A (north antenna field) -

753- 32666-98

753- 32995, 96

753- 33121

10 Dec 1963

RECOVERIES

Black-footed Albatross - 13

597- 84035 (blue rt.), 50

587- 84138, 39, 54 (blue rt.), 64



9 Dec 1963

Black-footed Albatross recoveries

697- 22961, 65, 70

697- 90027, 40, 42

697- 90118

Laysan recoveries - 29

697- 22047, 49, 52, 53, 61, 68

697- 22119, 43, 85

697- 22311, 12, 13

697- 24564

697- 90453, 60, 99, 90500

697- 90533, 54, 75, 85, 87

697- 90643, 63, 66, 67

697- 90711, 12, 25



